

**WEST**[Help](#)[Logout](#)[Interrupt](#)[Main Menu](#) | [Search Form](#) | [Posting Counts](#) | [Show S Numbers](#) | [Edit S Numbers](#) | [Preferences](#) | [Cases](#)**Search Results -**

Terms	Documents
I21 and (estimate or calculate or rank)and coverage	3

**Database:**

US Patents Full-Text Database  
US Pre-Grant Publication Full-Text Database  
JPO Abstracts Database  
EPO Abstracts Database  
Derwent World Patents Index  
IBM Technical Disclosure Bulletins

**Search:**[Refine Search](#)[Recall Text](#)[Clear](#)**Search History****DATE: Wednesday, May 07, 2003**    [Printable Copy](#)    [Create Case](#)

<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u>
side by side		result set	
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L24</u>	I21 and (estimate or calculate or rank)and coverage	3	<u>L24</u>
<u>L23</u>	I21 and (estimate or calculate)and coverage	1	<u>L23</u>
<i>DB=USPT; PLUR=YES; OP=OR</i>			
<u>L22</u>	5706497.pn.	1	<u>L22</u>
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=OR</i>			
<u>L21</u>	(multiple or multi-party or multiparty) near search near engines!	85	<u>L21</u>
<u>L20</u>	I12 and L19	8	<u>L20</u>
<u>L19</u>	L18 and meta same information	28	<u>L19</u>
<u>L18</u>	(meta adj search adj engines or multiple near party near search near engine)	57	<u>L18</u>
<u>L17</u>	meta adj search adj engines	57	<u>L17</u>
<u>L16</u>	((709/245)!..CCLS.) )	816	<u>L16</u>
<u>L15</u>	((709/227)!..CCLS.) )	1447	<u>L15</u>
<u>L14</u>	((709/224)!..CCLS.) )	2094	<u>L14</u>
<u>L13</u>	((709/218)!..CCLS.) )	1039	<u>L13</u>
<u>L12</u>	((709/\$)!..CCLS.) )	24968	<u>L12</u>
<u>L11</u>	((345/968)!..CCLS.) )	122	<u>L11</u>
<u>L10</u>	((345/866)!..CCLS.) )	303	<u>L10</u>
<u>L9</u>	((345/\$)!..CCLS.) )	57507	<u>L9</u>
<u>L8</u>	((707/\$)!..CCLS.) )	15374	<u>L8</u>
<u>L7</u>	((707/10)!..CCLS.) )	2897	<u>L7</u>
<u>L6</u>	((707/7)!..CCLS.) )	617	<u>L6</u>
<u>L5</u>	((707/6)!..CCLS.) )	927	<u>L5</u>
<u>L4</u>	((707/4)!..CCLS.) )	1247	<u>L4</u>
<u>L3</u>	((707/2)!..CCLS.) )	1365	<u>L3</u>
<u>L2</u>	((707/5)!..CCLS.) )	1112	<u>L2</u>
<u>L1</u>	((707/3)!..CCLS. )	2691	<u>L1</u>

END OF SEARCH HISTORY

**WEST**
 Generate Collection 

L21: Entry 75 of 85

File: USPT

Jan 26, 1999

US-PAT-NO: 5864845

DOCUMENT-IDENTIFIER: US 5864845 A

TITLE: Facilitating world wide web searches utilizing a multiple search engine query clustering fusion strategy

DATE-ISSUED: January 26, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Voorhees; Ellen M.	North Potomac	MD		
Gupta; Narendra K.	Dayton	NJ		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY	TYPE CODE
Siemens Corporate Research, Inc.	Princeton	NJ		02

APPL-NO: 08/ 674644 [PALM]

DATE FILED: June 28, 1996

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/5; 707/1, 707/2, 707/3, 707/4

US-CL-CURRENT: 707/5; 707/1, 707/2, 707/3, 707/4

FIELD-OF-SEARCH: 707/3, 707/4, 707/2, 707/5, 707/1

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 5325298	June 1994	Gallant	704/9
<input type="checkbox"/> 5442778	August 1995	Pedersen et al.	707/5
<input type="checkbox"/> 5706497	January 1998	Takahashi et al.	707/5

## OTHER PUBLICATIONS

Bartell et al., "Automatic Combination of Multiple Ranked Retrieval Systems", Proceedings of SIGIR '94, Jul. 1994, pp. 173-181.

Belkin et al., "The Effect of Multiple Query Representations on Information System Performance", Proceedings of SIGIR '93, Jun. 1993, pp. 339-346.

Fox et al., "Combination of Multiple Searches", Proceedings of TREC-3, Apr. 1995, pp. 105-108.

Steinberg, "Seek and Ye Shall Find (Maybe)", Wired, vol. 4, #5, May 1996, pp. 1-18.

QuarterDeck, URL: <http://arachnid.qdeck.com/qdeck/products/webcompass>.

Towell et al., "Learning Collection Fusion Strategies for Information Retrieval", Proceedings of the 12th Annual Machine Learning Conference, Jul. 1995, pp. 540-548.

Voorhees et al., "The Collection Fusion Problem", Proceedings of TREC-3, NIST Special Publication 500-225, Apr. 1995, pp. 95-104.  
Voorhees et al., "Learning Collection Fusion Strategies", Proceedings of SIGIR '95, Jul. 1995, pp. 172-179.

ART-UNIT: 271

PRIMARY-EXAMINER: Lintz; Paul R.

ATTY-AGENT-FIRM: Ahmed; Adel A.

ABSTRACT:

A method implemented on a computer for facilitating World Wide Web Searches and like database searches by combining search result documents, as provided by separate search engines in response to a query, into one single integrated list so as to produce a single document with a ranked list of pages, includes the steps of: (a) training the computer for each search engine by clustering training queries and building cluster centroids; (b) Assign weights to each cluster reflecting the number of relevant pages expected to be obtained by this search engine for queries similar to those in that cluster; (c) processing an incoming query by selecting, for each search engine, that cluster centroid that is most similar to the incoming query and returning the weight associated with the selected cluster as the weight of the current search engine; and (d) apportioning the N slots in the retrieved set according to the weights returned by each search engine.

15 Claims, 2 Drawing figures

**WEST****End of Result Set**  

L21: Entry 85 of 85

File: DWPI

May 18, 1999

DERWENT-ACC-NO: 1999-346644

DERWENT-WEEK: 199929

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TITLE: Web site registration method with multiple search engines in internet

INVENTOR: HOEKSTRA, M

PATENT-ASSIGNEE: INTEL CORP (ITLC)

PRIORITY-DATA: 1996US-0707667 (September 4, 1996)

## PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
US 5905862 A	May 18, 1999		013	G06F017/30

## APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
US 5905862A	September 4, 1996	1996US-0707667	

INT-CL (IPC) : G06 F 17/30

ABSTRACTED-PUB-NO: US 5905862A

## BASIC-ABSTRACT:

NOVELTY - Map data and web site description corresponding to data fields of a search engine (210) is stored in database (222) in HTML form. The method of registration of web site to each engine is also stored in database. By transmitting the registration method data and by mapping the web site data to search engine the web site is registered.

DETAILED DESCRIPTION - An INDEPENDENT CLAIM is also included for a web site registration apparatus for registering web site with several search engines.

USE - For world wide web.

ADVANTAGE - The problem of difficulty in registering web site with a strangely formatted registration page of search engine is overcome by performing automatic registration of web sites with search engines.

DESCRIPTION OF DRAWING(S) - The figure shows components in a networked computer system.

Search engines 210,240

Database 222

ABSTRACTED-PUB-NO: US 5905862A

## EQUIVALENT-ABSTRACTS:

CHOSEN-DRAWING: Dwg.2/5

DERWENT-CLASS: T01 W01

EPI-CODES: T01-H07C5E; T01-J05B; T01-J05B3; T01-J05B4P; T01-J11C1; W01-A06B7;

**WEST**
  

L24: Entry 2 of 3

File: USPT

Jan 26, 1999

US-PAT-NO: 5864846

DOCUMENT-IDENTIFIER: US 5864846 A

TITLE: Method for facilitating world wide web searches utilizing a document distribution fusion strategy

DATE-ISSUED: January 26, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Voorhees; Ellen M.	North Potomac	MD		
Gupta; Narendra K.	Dayton	NJ		

## ASSIGNEE-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY	TYPE CODE
Siemens Corporate Research, Inc.	Princeton	NJ			02

APPL-NO: 08/ 674646 [PALM]

DATE FILED: June 28, 1996

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/5; 707/2, 707/3, 707/4

US-CL-CURRENT: 707/5; 707/2, 707/3, 707/4

FIELD-OF-SEARCH: 707/3, 707/5, 707/2, 707/4

## PRIOR-ART-DISCLOSED:

## U.S. PATENT DOCUMENTS

 

PAT-NO	ISSUE-DATE	PATENTEE-NAME	US-CL
<input type="checkbox"/> 4823306	April 1989	Barbic et al.	707/6
<input type="checkbox"/> 5404514	April 1995	Kageneck et al.	707/5
<input type="checkbox"/> 5442778	August 1995	Pedersen et al.	707/5
<input type="checkbox"/> 5576954	November 1996	Driscoll	707/3
<input type="checkbox"/> 5642502	June 1997	Driscoll	707/5
<input type="checkbox"/> 5659732	August 1997	Kirsch	707/5
<input type="checkbox"/> 5675819	October 1997	Schuetze	1/1
<input type="checkbox"/> 5706497	January 1998	Takahashi et al.	707/5

## OTHER PUBLICATIONS

Bartell et al., "Automatic Combination of Multiple Ranked Retrieval Systems", Proceedings of SIGIR '94, Jul. 1994, pp. 173-181.

Belkin et al., "The Effect of Multiple Query Representations on Information System Performance", Proceedings of SIGIR '93, Jun. 1993, pp. 339-346.  
Fox et al., "Combination of Multiple Searches", Proceedings of TREC-3, Apr. 1995, pp. 105-108.  
Steinberg, "Seek and Ye Shall Find (Maybe)" Wired, vol. 4, #5, May 1996, pp. 1-18.  
QuarterDeck, URL: <http://arachnid.qdeck.com/qdeck/products/webcompass>.  
Towell et al., "Learning Collection Fusion Strategies for Information Retrieval", Proceedings of the 12th Annual Machine Learning Conference, Jul. 1995, pp. 540-548.  
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ART-UNIT: 271

PRIMARY-EXAMINER: Lintz; Paul R.

ATTY-AGENT-FIRM: Ahmed; Adel A.

ABSTRACT:

A computer-implemented method for facilitating World Wide Web Searches and like database searches by combining search result documents, as provided by separate search engines in response to a query, into one single integrated list so as to produce a single document with a ranked list of pages, by forming a set of selected queries, the queries including respective terms, for which selected queries relevance data from past data is known, herein referred to as training queries, in a vector space comprising all training queries, the relevance data comprising judgments by a user as to whether a page is appropriate for a query which retrieved it. Further steps in the method are identifying a set of k most similar training queries to current query q, computing an average relevant document distribution of the k queries within the training queries' search results for each of the search engines, using the computed relevant document distributions, finding an optimal number of pages to select from the result set of each search engine when N total pages are to be retrieved, and creating a final retrieved set by forming the union of the top  $\lambda$  pages from each search engine.

15 Claims, 2 Drawing figures

**WEST****End of Result Set**
  

L24: Entry 3 of 3

File: USPT

Jan 26, 1999

US-PAT-NO: 5864845

DOCUMENT-IDENTIFIER: US 5864845 A

TITLE: Facilitating world wide web searches utilizing a multiple search engine query clustering fusion strategy

DATE-ISSUED: January 26, 1999

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Voorhees; Ellen M.	North Potomac	MD		
Gupta; Narendra K.	Dayton	NJ		

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APPL-NO: 08/ 674644 [PALM]

DATE FILED: June 28, 1996

INT-CL: [06] G06 F 17/30

US-CL-ISSUED: 707/5; 707/1, 707/2, 707/3, 707/4

US-CL-CURRENT: 707/5; 707/1, 707/2, 707/3, 707/4

FIELD-OF-SEARCH: 707/3, 707/4, 707/2, 707/5, 707/1

## PRIOR-ART-DISCLOSED:

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Fox et al., "Combination of Multiple Searches", Proceedings of TREC-3, Apr. 1995, pp. 105-108.

Steinberg, "Seek and Ye Shall Find (Maybe)", Wired, vol. 4, #5, May 1996, pp. 1-18.

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Towell et al., "Learning Collection Fusion Strategies for Information Retrieval",

Proceedings of the 12th Annual Machine Learning Conference, Jul. 1995, pp. 540-548.  
Voorhees et al., "The Collection Fusion Problem", Proceedings of TREC-3, NIST  
Special Publication 500-225, Apr. 1995, pp. 95-104.  
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Jul. 1995, pp. 172-179.

ART-UNIT: 271

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15 Claims, 2 Drawing figures